

## **Firms that use AI integrated devices**

1. HeartFlow
2. FREENOME
3. ORCAM
4. Paige
5. Sight Diagnostics

## **Medical Equipments integrated with AI**

1. HeartFlow FFR<sub>CT</sub> Analysis - It is focussed towards making cardiovascular care easier for doctors and for patients. Physicians can use it for diagnosis and management of coronary artery disease.
2. Freenome's Multiomics Platform - The platform, after training on thousands of cancer-positive blood samples, it can learn which biomarker patterns are cancer's type and what would be their treatment. The platform integrates assays for cell-free DNA, methylation, and proteins with advanced computational biology and machine learning techniques to understand additive signatures for early cancer detection.
3. OrCam MyEye - It is a voice-activated device for blind and visually imapiored people. It can be

attached to almost all glasses and has a 13MP camera. It can assist one in reading text either from a book or a smartphone, identify someone, do shopping and hence increase your work efficiency. It is able to convey all the mentioned information, via a voice and in offline, real-time mode. It is suitable for all eye conditions and all levels of vision loss. It is not aimed at improving a person's vision, but can be used for conveying the visual information. However, the person using this should not have hearing problems and it has a battery life of 1.5-2 hours.

4. OrCam Read - It is a handheld device that can be used by people with dyslexia and for anyone who consumes large amounts of text. OrCam Read has a 13 MP camera and can be used in any environment, including low-light, and without requiring any internet connectivity. However, the person using this should not have hearing problems and should have full control over their hand movements. Also, it has a battery life of 4 hours.
5. Sight OLO - It is a high-performance, complete blood count(CBC) analyzer that provides accurate

results in minutes. It digitizes blood with only 2 drops of a finger prick or venous sample and provides lab-grade CBC results in minutes. The best part about it is that minimal blood volume is required. The sample preparation process can be completed in under one minute, with the full results ready in minutes on the touchscreen interface, printout, or email. It provides reliable answers quickly, which enables fast and definitive treatment decisions. It doesn't require calibration or maintenance. Sight OLO represents a culmination of cutting edge innovations in physics, optics, sample preparation and AI-based computer vision algorithms.

6. Paige FullFocus - It is a whole-slide image viewer for use in primary diagnosis. It is fully web-based, facilitating remote access to slides and provides powerful tools for manual review of digital slides and powerful AI visualization for case prioritization and to support case reporting.
7. Paige Platform - It provides a secure connection to a lab's whole slide scanners, laboratory information systems (LIS) and other clinical information systems.

8. Paige Prostate Suite - Comprising Paige Prostate Detect, Paige Prostate Grade & Quantify, and Paige Prostate Perineural Invasion. Paige Prostate Detect focussed at detecting a region that has the highest possibility of being cancerous for further review by a pathologist. Paige Prostate Grade & Quantify highlights areas having high likelihood for cancer and categorizes them by Gleason pattern to assist pathologists. Details like percentages and location of Gleason pattern are made available with just a click for easy visualization. Paige Prostate Perineural Invasion helps pathologists in detecting suspicious foci around nerve fibers within the prostate.
9. Paige Breast Suite - Comprising Paige Breast and Paige Breast Lymph Node. Page Breast assists pathologists in detecting premalignant and malignant neoplasms. Paige Breast Lymph Node is used for detecting metastases in breast cancer lymph node slides.